

PHENIX WEEKLY PLANNING



April 3, 2014
Don Lynch

- Run 14 Continues
- Yesterdays Access:
 - MPC-Ex FEM and cabling installed
 - VTX/FVTX troubleshooting leaks
 - New FVTX problems after yesterday's access
- Plan for 2014 Shutdown
- Tech Support for Run 14 as required
- Support for sPHENIX efforts as required



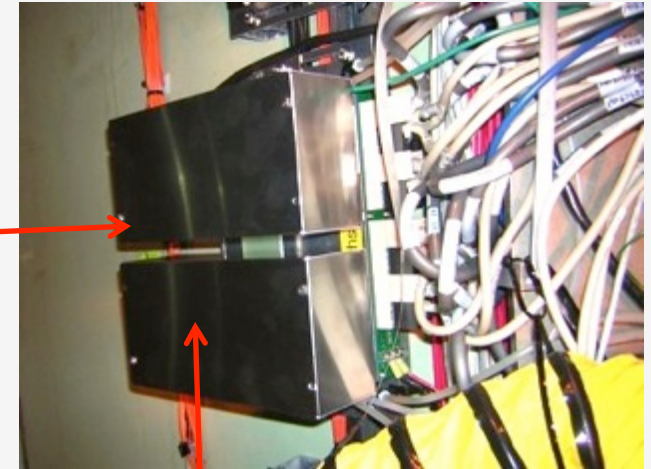
4/3/2014

Next Week

- Run 14 Continues
- Next Access 4/16?
- Plan for 2014 Shutdown
- Tech Support for Run 14 as required
- Support for sPHENIX efforts as required

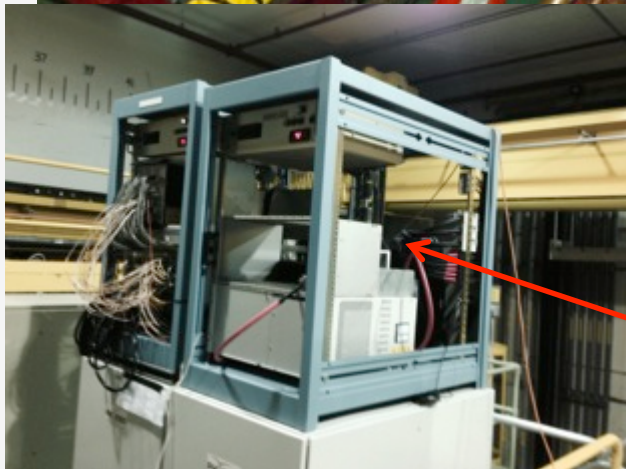
MPC-Ex Initial (Partial) Installation

LEWIS & CLARK - NORTH



Mechanical installation
Complete Services
connected

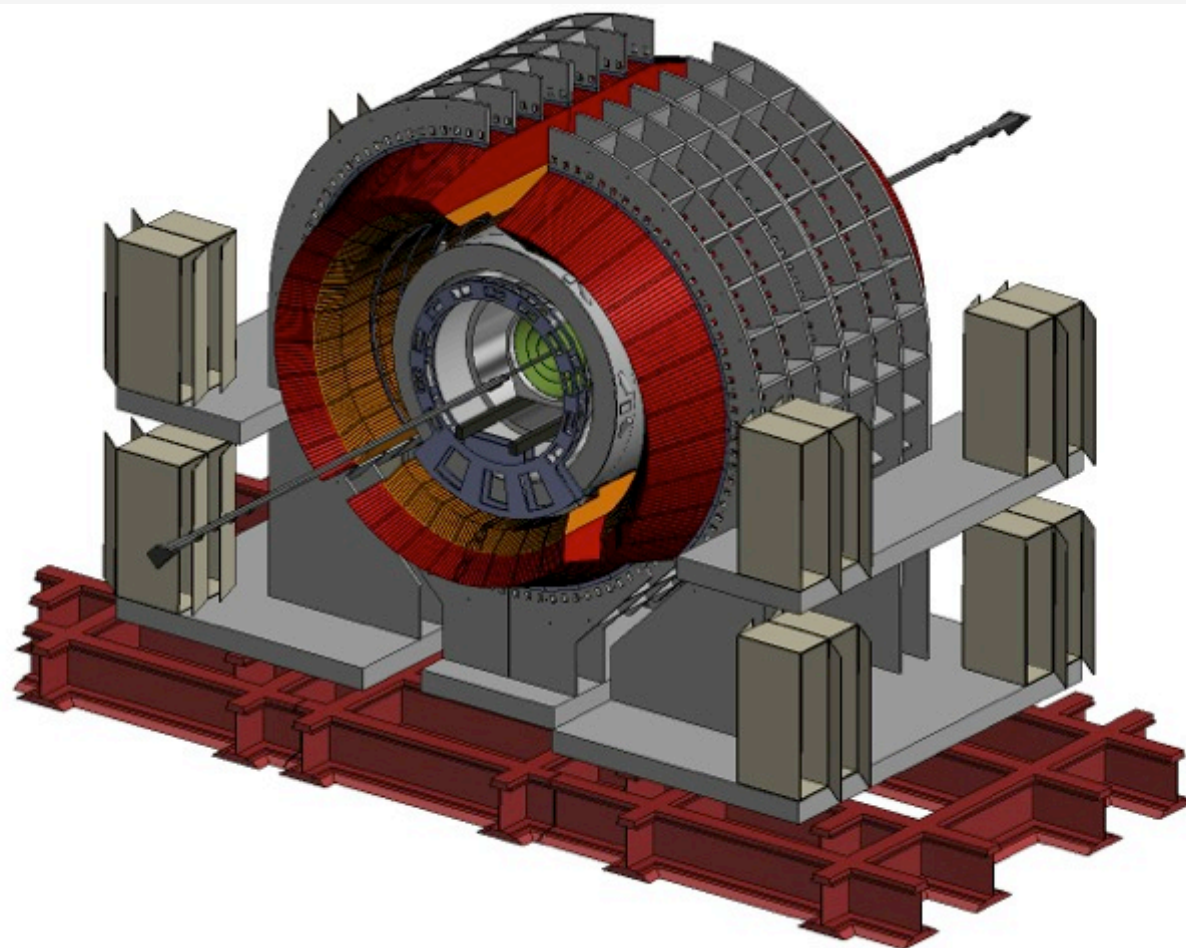
FEM modules installed



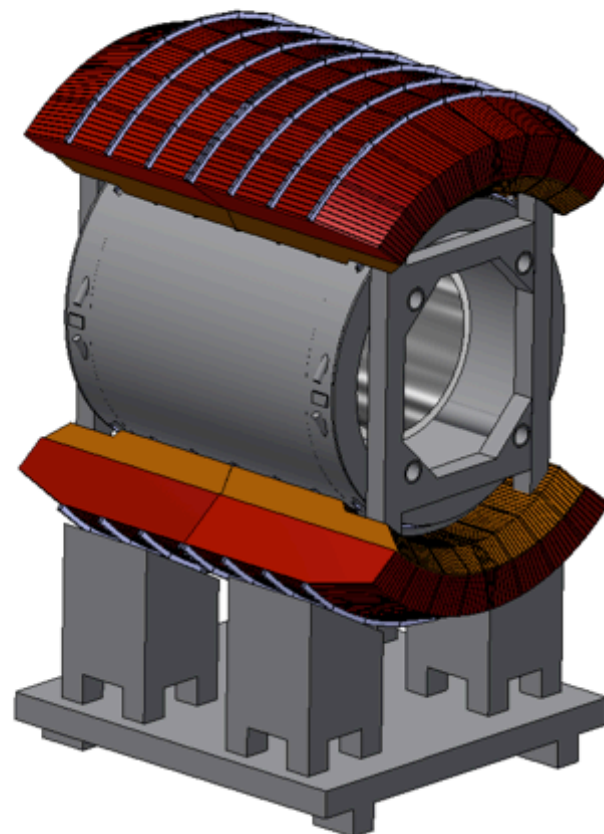
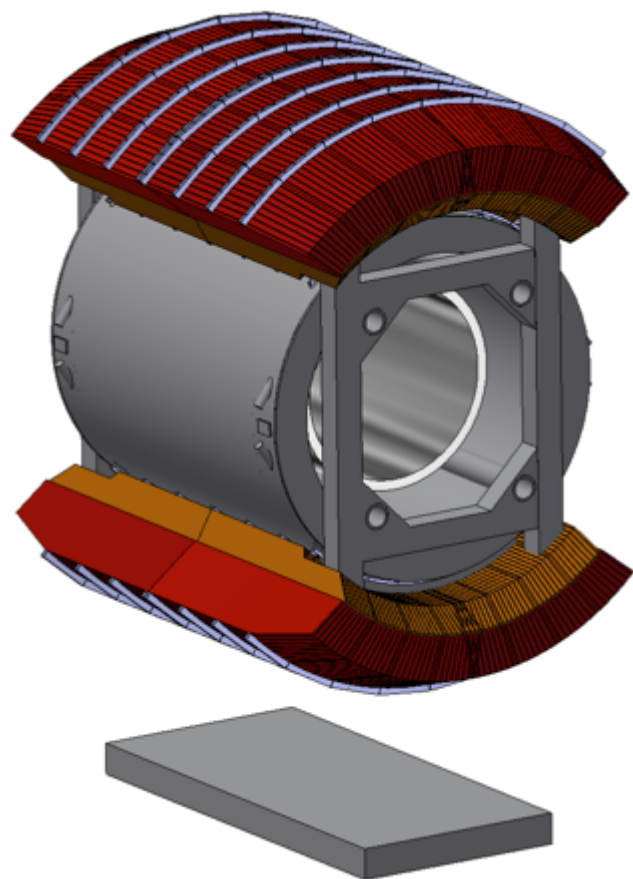
New MPC-Ex rack

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sPHENIX Overall Detector Design Concept

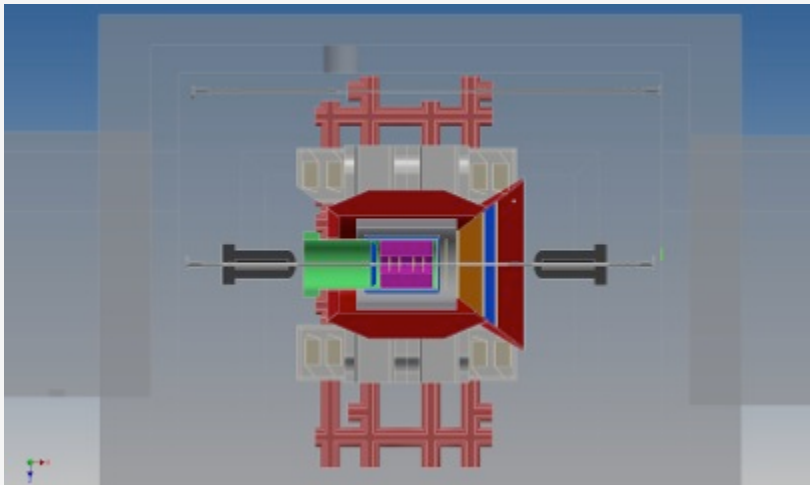
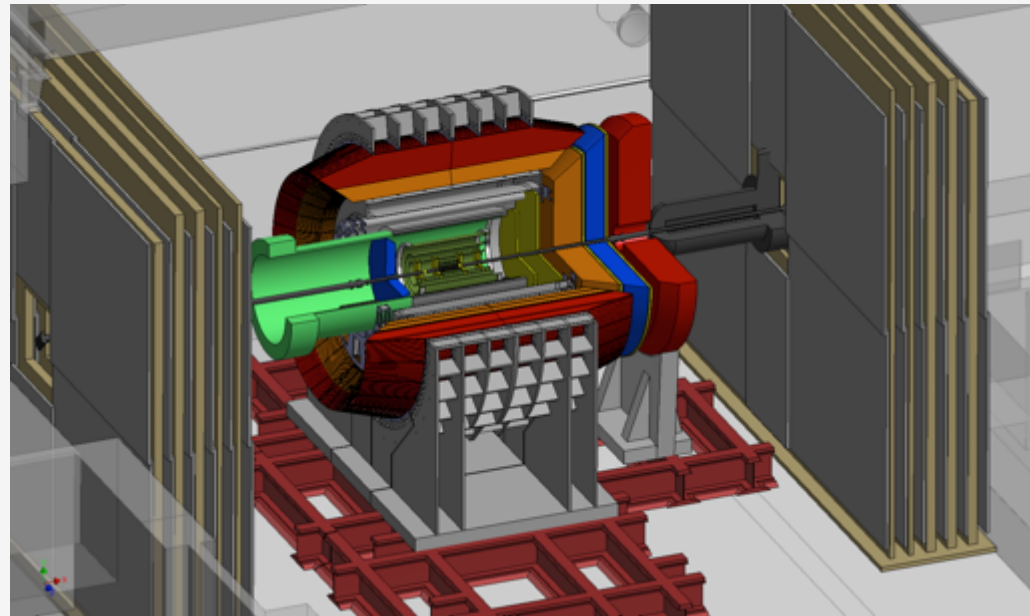


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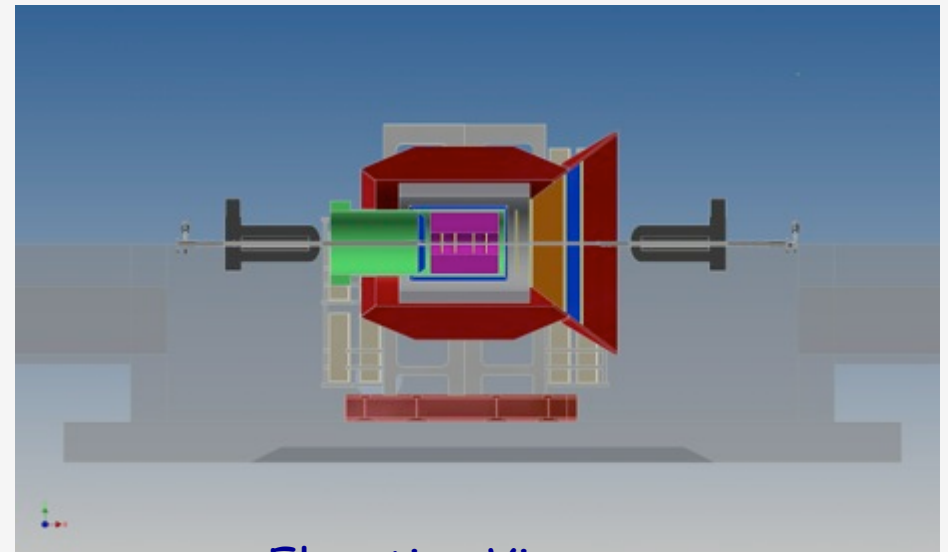


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ePHENIX



Plan View



Elevation View

4/3/2014

2014 planned Technical Support & 2014 Shutdown

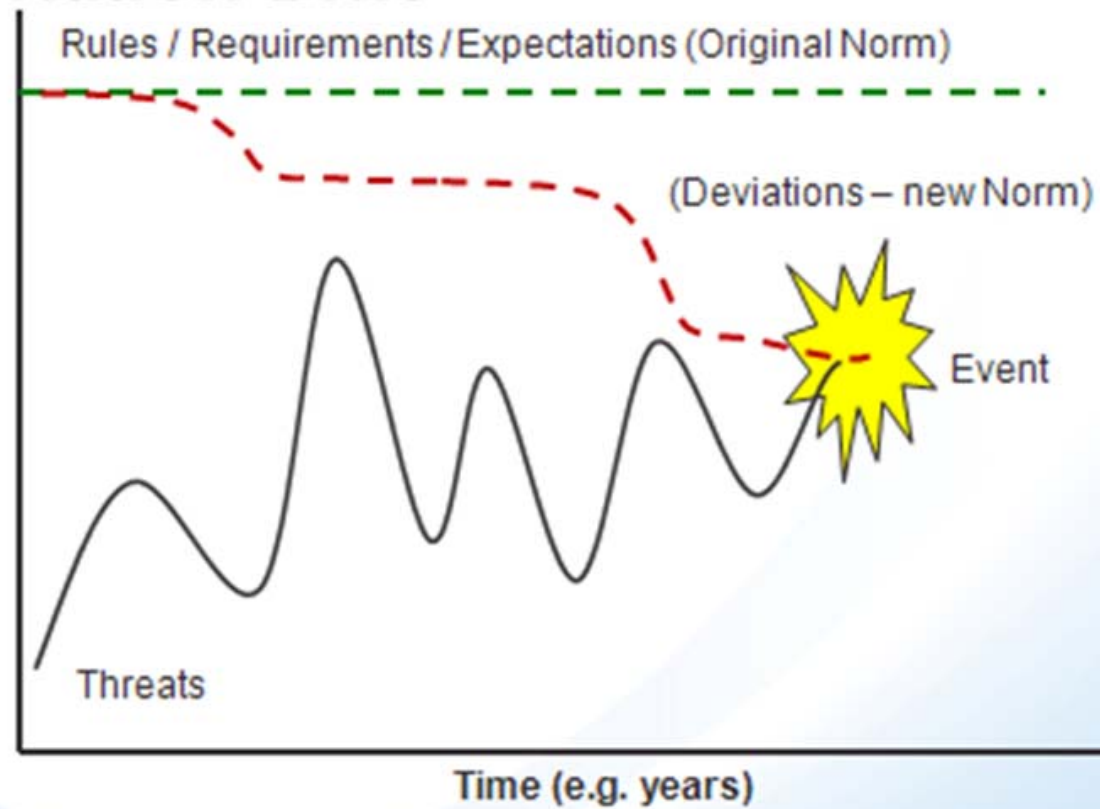
TECHNICAL SUPPORT 2014

Support for run 14	2/3-6/30/2014
Support for sPHENIX prototype tests at FermiLab	1/21-2/25/2014
Procure & Fabricate parts for MPC-Ex North and South	1/1/2014-6/30/2014
Assemble & test MPC-Ex South, ready for installation	3/1-7/1/2014
End of Run Party	7/11/14?
Assemble & test MPC-Ex North, ready for installation	7/1-9/25/2014
Start of Shutdown Tasks (purge flammable gas, disassemble and stow shield wall, remove collars, move EC to AH, Move MMS south, etc.)	7/14 - 7/25/2014
Remove MMS east vertical lampshade	7/28-7/30/2014
Troubleshoot intermittent water leak in MMS	7/30- 8/8/2014
Other Maint. In MMS	TBD
Reinstall MMS east vertical lampshade	TBD
Summer Sunday prep AH, tours and restore AH	7/30-8/15/2014
Install scaffolding in Sta 1 South	7/28/2014
Remove MPC-Ex prototype, Install new MPC-Ex South	7/28-8/22/2014
Maint. & Repairs for MPC South, BBC South, RPC1 South, MuTr sta 1 South, as necessary	7/28-8/22/2014
Remove scaffolding from sta 1 south, Move CM South	8/25/2014
Install scaffolding in Sta 1 North	8/26-8/29/2014
Prep MPC-Ex North installation area	9/1-9/26/2014
Install new MPC-Ex North	9/29-10/17/2014
Remove Sta 1 North scaffolds, Move CM North	10/20-10/24/2014
Other detector support	TBD
Infrastructure Maintenance and Improvement	TBD
Decommissioning of obsolete PHENIX detector equipment	TBD
sPHENIX Support	on-going
End of Shutdown Tasks (Move MS north, roll in EC , install collars, remove 10 ton cart, plates and manlifts, build shield wall, etc.)	10/27-11/26/2014
Pink/White/Blue Sheets	1/17/2014
End of Shutdown Party	???
Start Flammable gas flow	???
Close shield wall, install radiation interlocks and prepare for run 14	12/31/2014
Start run 15	1/2/2015

Safety and Security

- From Ray Karol: Lessons learned from a DOE Pantex Plant: How S#%T Happens:
- Normalization of Deviance:
 1. The rules are (perceived as) stupid and inefficient! Employees will often invent shortcuts or workarounds when the rule, regulation, or standard seems irrational or inefficient.
 2. Knowledge is imperfect and uneven. Employees might not know that a particular rule or standard exists; or, they might have been taught a deviation without realizing it.
 3. I am breaking the rule for the good of my work! This justification for rule deviation happens when the rule or standard is perceived to be counterproductive.
 4. Workers are afraid to speak up. The likelihood that rule violations will become normalized increases if the employees who witness them refuse to intervene. Yet, a 2005 study of more than 1,700 healthcare professionals found that "it was between difficult and impossible to confront people." (Maxfield, Grenny, Patterson, McMillan, & Switzler, 2005b, p. 10)"

Deviation Drift



PHENIX Safety and Security

No Injury Report this week (April Fools?)

4/3/2014



No Recent Events Report this week

4/3/2014



Where To Find PHENIX Engineering Info

Run 14 Continues!



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

4/3/2014

